

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**Solutia, Inc.
5100 West Jefferson Avenue
Trenton, Michigan 48183**

ATTENTION:

**Gary Williams
Plant Manager**

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency is requiring Solutia, Inc. (Solutia or you) to submit certain information about the facility at 5100 West Jefferson Avenue, Trenton, Michigan. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us within twenty-one (21) calendar days after you receive this request.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Solutia owns and operates emission sources at the Trenton, Michigan facility. We are requesting this information to determine whether your emission sources are complying with the CAA.

Solutia must send all required information to:

Attn: Compliance Tracker, AE-18J
Air Enforcement and Compliance Assurance Branch

U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604

And to

Jillian Rountree
Office of Regional Counsel, C-14J
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604
rountree.jillian@epa.gov

Solutia must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emission data, standards and limitations are not entitled to confidential treatment. Appendix C provides additional information regarding the meaning and scope of the term "emission data."

This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil, or criminal action.

Failure to comply fully with this information request may subject Solutia to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Albana Bega at 312.353.4789.

1/16/18
Date

Edward Nam
Edward Nam
Director
Air and Radiation Division

Appendix A

When providing the information requested in Appendix B, use the following instructions and definitions.

Instructions

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

Electronic Submissions

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

Definitions

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*

1. The terms “document” and “documents” shall mean any object that records, stores, or presents information, and includes writings, memoranda, records, or information of any kind, formal or informal, whether wholly or partially handwritten or typed, whether in computer format, memory, or storage device, or in hardcopy, including any form or format of these. If in computer format or memory, each such document shall be provided in translation to a form useable and readable by EPA, with all necessary documentation and support. All documents in hard copy should also include attachments to or enclosures with any documents.
2. The term “relate to” (or any form thereof) shall mean constituting, reflecting, representing, supporting, contradicting, referring to, stating, describing, recording, noting, embodying, containing, mentioning, studying, analyzing, discussing, evaluating or relevant to.

Appendix B

Information You Are Required to Submit to EPA

Solutia, Inc. (Solutia) must submit the following information for its facility located at 5100 West Jefferson Avenue, Trenton, Michigan (the facility), pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a):

1. Provide copies of permit application(s) submitted to the Michigan Department of Environmental Quality (MDEQ) from January 1, 2007, to the present, including but not limited to the permit application(s) submitted for the current Title V, Permit Number MI-ROP-B2155-2009a, issued on August 12, 2009, except the application for the permit-to-install (PTI), Permit Number 12-13A, for the replacement of three polykettles and reflux condensers.
2. Provide complete copies, from January 1, 2007 to the present, of all written correspondence, determinations, documents, or communications with MDEQ concerning the applicability of the New Source Review and/or Maximum Achievable Control Technology/National Emission Standards for Hazardous Air Pollutants requirements to the construction and/or modification of any equipment at the facility.
3. Provide copies of all documents generated on or after January 1, 2007, related to the applicability of New Source Performance Standards, New Source Review, and/or Prevention of Significant Deterioration.
4. Provide the acetaldehyde, vinyl acetate, methanol, and total HAP emissions for the facility from June 2017 to present.
5. Identify and describe, in a chronologically organized table, all capital expenditures greater than \$25,000 commenced at the emission units, from January 1, 2007 to the present. This list must contain the approximate date each project (including maintenance projects and modifications) began construction, the date each project was completed or implemented, a brief description of each project, a list of expenses for each project, and the fixed capital cost of each project in nominal dollars. This should include, but not be limited to, capital expenditures associated with changes in raw material feed rates, production rates, emission rates, and/or air pollution control equipment.
6. Provide records of all malfunction events or events that prompted maintenance, repair, inspection, or other associated corrective actions that occurred at the facility within the last five years for the following equipment: polykettles and associated reflux condensers, hydrolyzers and any associated condenser, and acetal reactors and associated condensers. Include events whether or not they required reporting under your Title V permit. Provide all records regarding the maintenance, repair, inspection, or other and associated corrective actions that took place, investigations or conclusions about the events, and emissions resulting from or associated with the events.

7. Except as already provided in response to this request, provide records for all maintenance, repairs, corrective actions, and inspections undertaken at the facility within the last five years for the following equipment: polykettles and associated reflux condensers, hydrolyzers and any associated condenser, and acetal reactors and associated condensers.
8. Provide dated copies of all analyses relating to whether the installation of the new polykettles met the definition of "reconstruction" under 40 C.F.R. § 63.2.
9. If not provided as part of the response to Item 8, provide Solutia's best estimate of the fixed capital cost to construct a comparable new "affected source," as that term is defined at 40 C.F.R. § 63.2440, for the polymerization process step miscellaneous organic chemical manufacturing process unit (MCPU), as that term is defined at 40 C.F.R. § 63.2550. The cost estimate should reflect installation of a new source that is the same design and size as the existing polymerization process step MCPU. The estimate should break out the costs into at least the following areas, to the extent that they are included in the estimate: engineering, purchase, and installation of major process equipment, contractors' fees, instrumentation, auxiliary facilities, buildings, structures, air pollution control equipment, demolition, site preparation, and contingency costs.
10. Provide an explanation of the polykettle's short stop operation/function, referenced in previous information that Solutia has provided to EPA. Was the short stop system part of the polykettle design or was it added later on as a process safety step? When was it added? Do the new polykettles have the same short stop system? Provide a detailed description of the new polykettle's short stop operation/function or any other process safety step that the new polykettle has.
11. Provide model and part number information, as well as a spec/datasheet for the various polykettle's rupture disc designs used at the facility within the last five years.
12. Provide management of change reports for the rupture discs installed at the facility for the polykettles within the last five years.
13. Provide all "Spill and Release" reports generated by or prepared on behalf of the facility, within the last five years.
14. Provide copies of the current and past iterations since 2010 of the facility's startup, shutdown, and malfunction plan; polykettle and associated condensers startup, shutdown, and malfunction plan; hydrolyzer reactors startup, shutdown, and malfunction plan; and acetal reactors startup, shutdown, and malfunction plan.
15. Explain how Solutia estimated the quantities of vinyl acetate, acetaldehyde, and polyvinyl acetate released during the following events: February 19, 2015, February 23, 2015, April 20, 2015, June 23, 2015, June 28, 2015, and August 18, 2015. In one of your release reports you stated that your estimate was based on the quantities charged in the reactors. Provide documentation such as batch records for quantities charged in the reactors for each of the events listed above.

16. What was the estimated amount of emissions released during the hydrolysis Reactor #3 June 17, 2015 event?
17. What do LT and LH (referenced in previous information that Solutia has provided to EPA) stand for? Explain the differences in process and product between the LT and LH batches. Provide the number of LT and LH batches produced at each polykettle, respectively, since 2010.
18. From information that Solutia has provided, EPA noticed that between 2008 and 2010, Solutia reported 360-500 components associated with the vinyl acetate leak detection and repair (LDAR) program, and between 2008 and 2011, Solutia reported 380-450 components associated with the volatile organic compound (VOC) LDAR program. During the EPA 2011 inspection, Solutia stated to EPA inspectors that the facility monitors 450 and 1,000 components associated with the VOC and vinyl acetate LDAR programs, respectively. From a review of the facility's LeakDAS database, EPA noticed that there are approximately 222 components added to the database in 2015 and 2016 (i.e., after January 2014, when most of the components were added to the database). Explain these variations of the reported number of LDAR components.
19. Provide the dates of commencement and completion of the construction project involving the polykettles and the date of startup in which the facility began operations using the replaced polykettles. Provide a detailed description of any changes to the construction plan or any deviations from the permit to install application.

Appendix C

Confidential Business and Personal Privacy Information

Assertion Requirements

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to *confidential treatment under 40 C.F.R. Part 2.*

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

Determining Whether the Information Is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Personal Privacy Information

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

CERTIFICATE OF MAILING

I certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by
Certified Mail, Return Receipt Requested, to:

Gary Williams
Solutia, Inc.
5100 West Jefferson Avenue
Trenton, Michigan 48183

I also certify that I sent a copy of the Request to Provide Information Pursuant to the
Clean Air Act by E-mail to:

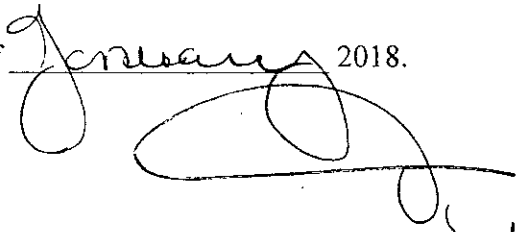
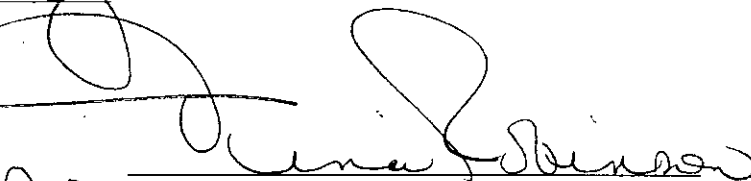
Brett Sago
Director, HSE Legal Services, Eastman Chemical Company
bsago@eastman.com

Tom Hess
Enforcement Unit Manager, Air Quality Division
HESST@michigan.gov

and

Mina McLemore
District Supervisor, Air Quality Division
mclemorew@michigan.gov

On the 17th day of January 2018.



Kathy Jones, Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009168000076606899